

ABSTRACT OF THE DISCLOSURE

The present invention provides for controlling incoming traffics on the links to an autonomous system. Incoming traffic usage for blocks of IP addresses within an autonomous system and load, congestion and capacity of the links for the incoming traffic is monitored to determine the optimal link for incoming traffic destined for a block of IP addresses. Incoming traffic for a block of IP addresses is biased towards the optimal link by configuring the border routers to announce the block of IP addresses via Border Gateway Protocol (BGP) across the non-optimal links with one or more local AS numbers pre-pended, causing the non-optimal links to look as if they are of a greater routing distance than the optimal link. In addition, outgoing traffic for a session is separately controlled by tagging the packets of the session for a specific link, causing the router to send the packet out the optimal link.